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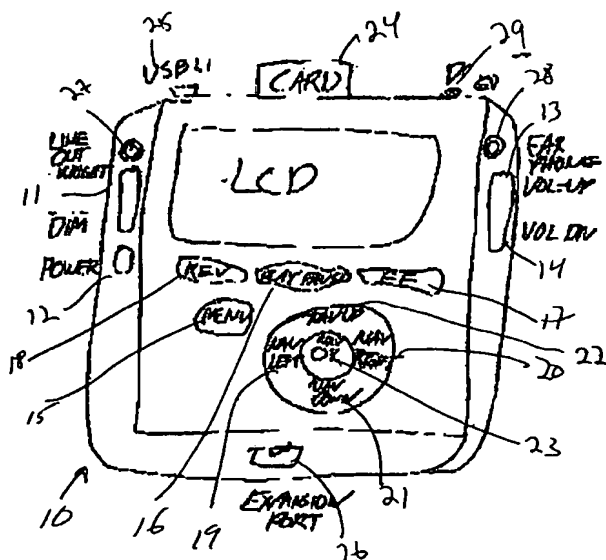
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(54) Title: METHOD AND APPARATUS FOR CODING INFORMATION

(57) Abstract: The invention provides a method and apparatus for coding information (fig. 5) that is specially adapted for smaller presentation formats, such as in a hand held video player (fig. 1). The invention addresses, inter alia, reducing the complexity of video decoding (55), implementation of an MP3 decoder (56) using fixed point arithmetic, fast YcbCr to RGB conversion, encapsulation of a video stream and an MP3 audio stream into an AVI file, storing menu navigation and DVD subpicture information on a memory card, synchronization of audio and video streams, encryption of keys that are used for decryption of multimedia data (fig. 3), and very user interface (UI) adaptations for a hand held video player that implements the improved coding invention herein disclosed.

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